

73049-378

3/18/2013

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Mr. Nasser Assaf, Ph.D.  
Valent BioSciences  
870 Technology Way, Suite 100  
Libertyville, IL 60048

MAR 18 2013

Subject: Label Notification(s) for Pesticide Registration Notice 98-10

Dear Dr. Assaf:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated March 12, 2012 for the following product(s):

**Aqueous Pyrenone Garden Spray**

**Reg. No. 73049-378**

The Registration Division (RD) has conducted a review of this request for applicability under PR Notice 98-10 and finds that the label change(s) requested falls within the scope of PRN 98-10. The label has been date-stamped "Notification" and will be placed in our records.

If you have any questions, please contact Linda A. DeLuise at 703-305-5428.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Gebken".

Richard J. Gebken  
Product Manager  
Insecticide Branch  
Registration Division (7504P)





# AQUEOUS PYRENONE<sup>®</sup> GARDEN SPRAY

## Intended for Residential Use Only

- *[Kills Gypsy Moth Caterpillars And Japanese Beetles*
- *A Fast Acting Way To Kill Mosquitoes, Gnats, Moths, Houseflies, Aphids, Gypsy Moth Caterpillars, Japanese Beetles ~~Spider mites, Thrips~~ And More Than 15 Other Yard And Garden Insects*
- *An Effective Insecticide For Use On Vegetable And Ornamental Pests*
- *Use Outdoors On Flowers, Roses, Trees, Shrubs, Ornamentals, And Vegetables - And Around Porch, Patio And Garage*
- *A Concentrated Pyrenone Micro-Emulsion, Clear Stable*
- *Provides Effective, Fast Acting, Killing Power With No Objectionable Residue*
- *Apply With Conventional Mechanical Compressed Air Equipment Or Non-Aerosol Pump]*

### ACTIVE INGREDIENTS:

Pyrethrins.....0.02%

Piperonyl Butoxide\*.....0.20%

OTHER INGREDIENTS:.....99.78%

100.00%

**NOTIFICATION**

**MAR 18 2013**

\* (butyl carbityl)(6-propylpiperonyl) ether and related compounds.

**PRECAUCION AL CONSUMIDOR:** Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

**(TO THE USER:** If you cannot read English, do not use this product until the label has been fully explained to you.)

EPA REG. NO. 73049-378

EPA EST. NO.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**See Side/Back Panel for Additional Precautions**

FIRST AID	
If in Eyes:	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For additional information on this product (including health concerns, medical emergencies or pesticide incidents), you may call 1-877-315-9819.	

NET CONTENTS:

LOT NUMBER:

## PRECAUTIONARY STATEMENTS

### Hazards To Humans & Domestic Animals

#### CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

#### Environmental Hazards

This product is toxic to aquatic organisms, including fish and invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems. Do not apply directly to or near water. Drift and water may be hazardous to fish in water adjacent to treated areas. See Directions for Use for additional precautions and requirements.

This pesticide is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

#### Use Restrictions

- Do not allow adults, children, or pets to enter until vapors, mists and aerosols have dispersed, sprays have dried and the treated area has been thoroughly ventilated.
- Do not apply this product in a way that will contact other persons, either directly or through drift.
- Do not remain in treated area. Exit area immediately and remain outside the treated area until aerosols, vapors, and/or mist have dispersed.
- Remove or cover exposed food and drinking water before application.
- Remove or cover dishes, utensils, food processing equipment, and food preparation surfaces, or wash them before use.
- Remove pets, birds and cover any water inhabited by fish (such as aquariums and ornamental fish ponds) before spray application. Turn off aquarium filtering systems before spraying and wait approximately 15 minutes after application before turning the filter back on.
- Do not use on surfaces that may be harmed or stained by water.
- Do not wet plants to point of runoff or drip.
- Not for use on plants being grown for sale or other commercial use.
- Do not apply directly to or near water, storm drains, or drainage ditches. Do not apply when windy. To prevent product run-off, do not over water the treated areas or apply when heavy rain is expected. Rinse applicator over lawn or garden area only.
- All outdoor applications must be limited to spot or crack-and-crevice treatments only except for the following permitted uses:
  - 1) Treatment to soil or vegetation around structures
  - 2) Applications to lawns, turf, and other vegetation
- Other than application to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors and eaves) are limited to spot and crack-and-crevice applications, only.
- Do not water the treated area to the point of run-off.
- Do not make applications during rain.

**TO OPERATE: SHAKE BEFORE USING.** Hold sprayer 18 inches from foliage and spray with circular motion. Direct spray so that upper and lower leaf surfaces are contacted. Use caution on new growth and tender foliage. When using outdoors, spray when air is still.

Alternate use directions:

**[TO OPERATE: SHAKE BEFORE USING.** Turn nozzle to "spray" or "stream" position before using. Hold pump sprayer 18 to 24 inches from foliage or surfaces being treated. Direct the spray so that upper and lower surfaces are contacted. Use caution on new growth and tender foliage.]

Alternate use directions:

**[TO OPERATE: SHAKE BEFORE USING.** Remove shipping cap and save. Insert sprayer hose into bottle and tighten securely. Prime sprayer by holding at cap level of bottle and pumping trigger. Turn nozzle to "spray" or "stream" position before using. Hold pump sprayer 18 to 24 inches from foliage or surfaces being treated. Direct spray so that upper and lower surfaces are contacted. Use caution on new growth and tender foliage. Remove sprayer and replace shipping cap between uses. Spray water through sprayer after each use. Sprayer should be rinsed thoroughly and pumped empty for storage.]

This insecticide may be used indoors or outdoors throughout the growing season or as a pre-harvest treatment when other insecticides are prohibited due to residue restrictions and use limitations.

To control insects named, apply this spray to provide thorough coverage of upper and lower leaf surfaces. Do not apply more than 92.4 oz per 1000 sq. ft. Repeat treatment weekly or as needed to control infestations. Do not apply more than 10 times per season. Do not reapply within 3 days except under extreme pest pressure. In case of extreme pest pressure do not reapply within 24 hours.

May be applied on day of harvest.

Use on the following crops: Asparagus, Beans, Broccoli, Cauliflower, Cabbage, Brussels Sprouts, Celery, Cranberries, Eggplant, Lettuce, Mustard Greens, Kale, Collards, Turnips, Peppers, Potatoes, Radishes, Spinach and Tomatoes to Control: *Asparagus Beetles, Aphids, Leafhoppers, Whiteflies, Mexican Bean Beetles, 12-Spotted Cucumber Beetles, Cabbage Loopers, Cross-Striped Cabbageworms, Diamondback Moth Larvae, Flea Beetles, Harlequin Bugs, Imported Cabbageworms, Stink Bugs, Green Peach Aphids, Leaf-tiers, Fireworms, Blister Beetles, Colorado Potato Beetles and Webworms.*

USE ON THE FOLLOWING ORNAMENTALS: African Violets, Azaleas, Begonias, Camellias, Dahlias, Dogwood, Roses, Wandering Jew, Asters, Carnations, Chrysanthemums, Geraniums, Gladiolus and Marigolds, to Control: *Aphids, Flea Beetles, Leafhoppers, Spider mites, Thrips and Whiteflies.*

TO KILL *Gypsy Moth Caterpillars* and *Adults, Adult Japanese Beetle, Eastern Tent caterpillars* and *Forest Tent Caterpillars* ON CONTACT: ON TREES AND SHRUBS: Treat trees and shrubs as soon as insects emerge (usually late spring). Treat leaves, branches and tree trunks evenly, making sure to penetrate dense foliage. Repeat application every 7 days as necessary for control.

ON ROSES AND IN FLOWER GARDENS: Treat plants and flowers as soon as insects appear. Spray plants and flowers making sure to penetrate dense foliage. Repeat application every 7 days or as necessary for control.

## INDOORS AS A SPACE SPRAY

TO CONTROL *Houseflies, Fruit Flies, Mosquitoes, Gnats* and *Small Flying Moths*, apply using a good space sprayer adjusted to deliver a fine mist. Close windows and doors and shut off ventilating systems. Direct spray toward upper portions of the enclosure filling the room with mist. Use 4 to 5 ounces per 1000 cubic feet of space. Keep area closed for at least 30 minutes.

OUTDOORS to Kill *Mosquitoes*

Apply as a fine mist to thoroughly treat the entire area. Treat shrubbery and vegetation where mosquitoes may rest. Apply at a rate of 4 ounces per 1000 square feet.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal.

**Pesticide Storage:** Store in original container in a cool, dry area inaccessible to children and pets. Do not transport or store under 32° F. If freezing occurs, thaw and agitate vigorously.

**Pesticide Disposal and Container Handling:** Non-refillable container. *If empty:* Do not reuse or refill this container. Place in trash or offer for recycling if available. *If partly filled:* Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**Valent BioSciences Corporation**  
***Environmental Science Division***  
870 Technology Way  
Libertyville, IL 60048

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